PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY			
To: Stephen S. Ford, and all of Marger Johnson & McCollom, P.C. 210 SW Morrison Street, Suite 400 Portland, Oregon 97204		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)	
	Date of mailing (day/month/year)	1 0 JAN 2008	
Applicant's or agent's file reference 5087-202	FOR FURTHER	FOR FURTHER ACTION See paragraph 2 below	
In any or a second	filing date (day month year) 2006 (16.03.2006)	Priority date (day month year) 23 June 2005 (23.06.2005)	
International Patent Classification (IPC) or both national classification and IPC IPC(9) - GoEF 946 (2007.01) USPC - 718/104			
Applicant Cypress Semiconductor Corporation			
1. This opinion contains indications relating to the following items: Box No. 1 Basis of the opinion			
Mail Stop PCT, Attn ISA/US	pletion of this opinion 1007 (18.05.2007)	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-774	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No PCT/US 06/09572

Box	No. I	Basis of this opinion
1.	With re	egard to the language, this opinion has been established on the basis of: the international application in the language in which it was filed a translation of the international application into
2.	claimed	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of: of material a sequence listing table(s) related to the sequence listing
	b. for	nat of material on paper in electronic form
	c time	of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or farnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filled or does not go beyond the application as filled, as appropriate, were furnished
4	Additio	nal comments

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International application No.

Box No. V Reasoned statement under Rule 43bis,1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Statement Novelty (N) Claims Mone VES Claims 1-20 NO. Inventive step (IS) Claims None YES 1-20 Claims NO Industrial applicability (IA) Claims 1-20 YES Claims None NO

2. Citations and explanations:

Claims 1-20 lack novelty under PCT Article 33(2) as being anticipated by US 2002/0035701 A1 to Casebott et al. (hereInafter Casebott).

As per claim 1. Carebott discloses a wakeup system for generating a signal to wake a device (mouse 107) from a skeps state when an operator touches the device, the system comprising: a conductive strip (6.5, Fl.6, 6) that is positioned in an erac of the device touched by an operator using the device, a voltage source (butteres 3, Fl.6.1), a connection to the conductive strip, the strip forming a capacitor (183), the capacitinate or livinch is inchreased when a user touches the device (broute searce 16.5, pars, 1004); a switch (193) having two positions, one of which connects the capacitor to the vottage source and the second of which connects the capacitor to the vottage source and the second of which connects the capacitor transfer and cischarges (part, 0007/1008); a delector for destinating when the capacitor reaches a present of the capacitor is of the device of the device of the device of the capacitor is a volume of the capacitor (183). The capacitor is also the capacitor is of the device of the device of the device of the device of the capacitor (183) and a capacitor (183) discharged; a counter for courting the number of cycles of the section is no re-established period of time (pars, 1012); and a circuit for generating the wake signal (wake in P. Fl.C. 1) if the number of cycles is below a pre-established principal count value, pars, 1013);

As per claim 2, Casebolt discloses the wakeup system wherein the device is battery operated (by battery 3, FIG. 1).

As per claims 3 and 13, Casebolt discloses the wakeup system wherein the device is a battery-operated (battery 3, FIG. 1) mouse (see

As per claims 4 and 14, Casebolt discloses the wakeup system wherein the device is a mouse (107, FIG. 6) having a casing (109, FIG. 6) and the conductive strip (145, FIG. 6) is positioned inside the casing.

As per claims 5 and 15, Casebolt discloses the wakeup system wherein the casing is made of plastic (para. [0057]).

As per claims 6, Caseboll discloses the wakeup system wherein the device is a computer mouse (abstract, 107, FIG.6) and the conductive strip (145) is located on the side of the mouse (see FIG. 6 and detail in FIG. 10).

As per claims 7 and 17, Casebolt discloses the wakeup system including a plurality of conductive strips forming the capacitor (see detail of capacitor 145 in FIG. 10).

As per claim 8, Casebolt discloses the wakeup system wherein the preset charge is a charge that generates a voltage of three volts (by a three volt battery in FIG. 1, part 3).

As per claim 9, Casebolt discloses the wakeup system wherein the control circuit Includes a clock (FIG. 1, para. [0068]), a counter (para. [0103]) and a state machine (para. [0014]).

As per claims 10, 16 and 18, Casebott discloses the wakeup system wherein the device (107) comprises a computer mouse (abstract, 107, FIG. 6) that has a casing (109) make of plastic, which in a non-conductive material (para, [0057]) and wherein the conductive strip (145) is located on the inside of the casing (FIG. 6), forming a capacitor (143).

As per claim 11, Casebolt discloses a method of generating a wakeup signal for a law power device (mouse 107) comprising the steps of changing the value of capacitant of a capacitor (163) from a relatively low value to a relatively high value when an operator butches the device (para, [0934]), periodically measuring the value of the capacitor (para, [0937]-(0938)), generating a wakeup signal if for the device if the capacitor has a relatively high value (para, [0074]).

As per claim 12, Casebolt discloses the wakeup method, wherein the device is a battery (3) operated wireless computer mouse (107), which goes into a sleep state when not moved for a particular period of time (pare. (0005)).

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US 06/09572

Supplemental Box

in case the space in any of the preceding boxes is not sufficient. Continuation of:

Box No. V.2. Citations and Explanations:

As per claim 19, Casebolt discloses a wakeup system for generating a signal to wake a device (mouse 107) from a steep state when an operator touches the device (touch sensor 181), the system comprising: conductive means (145) forming a capacitor (183), the conductive means being positioned so that the capacitance of the conductive means is increased from a relatively low value to a relatively high value. when an operator touches the device (para, [0094]), measuring means for determining the value of the capacitor (i.e. the counter). circuit means (P, FIG. 1) responsive to the measuring means for generating the wake signal if the capacitor has a relatively high value (see Fig. 8 for flow chart when Wake signal is generated and Fig. 1 where a Wake signal is shown in the Pl.

As per claim 20, Caseboit discloses the wakeup system wherein the device is a battery operated (battery 3) wireless mouse (107) having a casing (109) and the conductive means (145) positioned inside the casing means (see FIG. 6) at a position on the casing where an operator naturally touches the mouse when using the mouse.

Claims 1-20 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1 [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 12, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers, claims 30, 33 and 30 unchanged, new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11].
- "Claims 1 to 15 replaced by amended claims 1 to 11"

 [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims.]

 [Where originally there were 14 claims and the amendments consist in cancelling some claims.]
- new ciaims I: to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4 [Where various kinds of amendments are made]: "Claims 1-10 uncharged, claims 11 to 13, 18 and 19 cancelled, claims 14, 15 and 16 replaced by amended claim 14; claim 13 additioded into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)). The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words. "Statement under Article 19(1).

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureas, also file with the International Perlaminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/PEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau mader Rule 66. likif(b), be considered to be a written opinion of the International Preliminary Examining Authority. If advanced is made, the considered to be a written opinion of the International Preliminary Examining Authority are ply to the written opinion together, where appropriate, with amendments before the opinion of 3 months from the date of mailing of Form PCTI/SIA/200 to before the expristion of 22 months from the priority date, whiceever expires later (Rule 436:s.1(c.))

Consequence with regard to translation of the international application of the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filled.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide. Volume II.